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- (71) Applicant (for all designated States except US): ARK THERAPEUTICS LTD. [GB/GB]; 1 Fitzroy Mews, London W1T 6DE (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): AHLROTH, Mervi [FI/FI]; A.I. Virtanen Institute, University of Kuopio, P.O. Box 1627, Fin-70211 Kuopio (FI). SCHENKWEIN, Diana [FI/FI]; A.I. Virtanen Institute, University of Kuopio, P.O. Box 1627, Fin-70211 Kuopio (FI). AIRENNE, Kari [FI/FI]; A.I. Virtanen Institute, University of Kuopio, P.O. Box 1627, Fin-70211 Kuopio (FI). YLA-HERTTUALA, Seppo [FI/FI]; A.I. Virtanen Institute, University of Kuopio, P.O. Box 1627, Fin-70211 Kuopio (FI). LAITINEN, Olli [FI/FI]; A.I. Virtanen Institute, University of Kuopio, P.O. Box 1627, Fin-70211 Kuopio (FI).
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(57) Abstract: In a method of targeting integration of a transgene comprising retrovirus-like DNA into a eukaryotic genome, the genome is cleared by an endonuclease and the transgene is introduced at the site of cleavage, wherein the endonuclease is specific to a site in an abundant rDNA locus and is fused to an integrase that mediates the introduction of the transgene. The fusion protein may be new.

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